

PT i.e. MK4, PAK4, associated with skin damage for use in drug screening
 PT and development -
 XX
 PS
 XX
 Claim 1; Page 23; 51PP; English.

CC The present sequence is that of a MK4 polypeptide, as predicted
 CC from an isolated MK4 partial cDNA (see AF30481). MK4 is 1 of 4
 CC novel c-Jun N-terminal kinase kinase kinases (JNKK) of the
 CC invention. It has 50-78% identity to members of the MK family of
 CC JNKKs. MK4 is expressed in keratinocytes, kidney and pancreas,
 CC but not in brain, placenta, lung, liver or skeletal muscle. The
 CC transcript size is 4.8 kb. MK4, PAK5 and YSK2 polynucleotides
 CC and their gene products are useful for elucidation of the components
 CC involved in the cellular response to ultraviolet radiation. They can
 CC be used in drug discovery by screening for compounds that affect the
 CC activity of a JNKK or which affect the expression of a gene encoding
 CC a JNKK. Particularly useful are drugs that reduce UV light-induced
 CC damage of the skin, inflammation and psoriasis, and drugs that
 CC enhance wound healing.
 XX
 SQ Sequence 54 AA;

Query Match 100.0%; Score 293; DB 22; Length 54;
 Best Local Similarity 100.0%; Pred. No. 4.6e-56;
 Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 HRDIKAGNILLIEKIERDDICNKLTKITDFGLAREWIRTKMSTAGTYAWMAPE 54
 Db 1 HRDIKAGNILLIEKIERDDICNKLTKITDFGLAREWIRTKMSTAGTYAWMAPE 54

RESULT 2
 ID AAB85513
 ID AAB85513 standard; protein; 719 AA.
 AC AAB85513;
 XX
 DT 25-SEP-2001 (first entry)
 XX
 DE Human protein kinase SGK067.
 XX
 KW protein kinase; enzyme; cytostatic; notropic; neuroprotective; human;
 KW antiparkinsonian; viricide; antibacterial; antifungal; antimigraine;
 KW analgesic; hypotensive; hypersensitive; immunosuppressive; anti-allergic;
 KW antipsoriatic; anti-rheumatic; antiarthritic; ophthalmological; anorectic;
 KW osteopathic; thrombolytic; antiarteriosclerotic; asthmatic;
 KW vasotopic; antidiabetic; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN WO200155356-A2.
 XX
 PD 02-AUG-2001.
 XX
 PR 25-JAN-2001; 2001WO-US02337.
 XX
 PR 25-JAN-2000; 2000US-0178078.
 PR 31-JAN-2000; 2000US-0179364.
 PR 17-FEB-2000; 2000US-0183173.
 PR 17-MAR-2000; 2000US-0190162.
 PR 29-MAR-2000; 2000US-0193404.
 PR 13-NOV-2000; 2000US-0247013.
 PA (SUGE-) SUGEN INC.
 XX
 PT Plowman G, Whyte D, Manning G, Sudarsanam S, Martinez R;
 XX
 DR WPI; 2001-476202/51.
 XX
 N-PSDB; AAB46913.

CC Kinase polypeptides useful for treating cancers, Alzheimer's disease,
 PT viral infections, diabetes, obesity, organ transplant rejection and
 PT rheumatoid arthritis.

XX
 PS Claim 7; Page 217; 218PP; English.

XX
 The invention provides human protein kinases and protein kinase-like
 CC enzymes and polynucleotides encoding the polypeptides. The kinase
 CC polypeptides and their modulators are useful for treating a disease or
 CC disorder such as cancer, immune-related diseases, cardiovascular disease,
 CC brain or neuronal-associated disease and metabolic disorders, including
 CC cancers of tissues, cancers of hematopoietic origin, diseases of the
 CC central nervous system, diseases of the peripheral nervous system,
 CC Alzheimer's disease, Parkinson's disease, multiple sclerosis, amyotrophic
 CC lateral sclerosis, viral infections, infections caused by prions,
 CC bacteria and fungi, ocular diseases, migraines, pain, sexual dysfunction,
 CC mood disorders, attention disorders, cognition disorders, hypertension,
 CC hypertension, psychiatric disorders, neurological disorders, dizziness,
 CC metabolic disorders, and organ transplant rejection. They are also useful
 CC for treating rhinitis, autoimmunity, atherosclerosis, osteoarthritis, asthma, chronic inflammatory bowel disease, rheumatoid arthritis, metabolic disorders
 CC such as diabetes, obesity, cardiovascular diseases such as reperfusion
 CC injury, coronary thrombosis, clotting disorders and atherosclerosis;
 CC psychiatric and neurological disorders such as anxiety, schizophrenia,
 CC dementia, manic depression, etc. The polynucleotides are useful in gene
 CC therapy techniques to treat the above mentioned disorders. Sequences
 XX AAB85491-85522 represent the human protein kinases of the invention.
 SQ Sequence 719 AA;

Query Match 96.2%; Score 282; DB 22; Length 719;
 Best Local Similarity 94.4%; Pred. No. 6e-33;
 Matches 51; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 1 HRDIKAGNILLIEKIERDDICNKLTKITDFGLAREWIRTKMSTAGTYAWMAPE 54
 Db 261 HRDIKSSNILLIEKIERDDICNKLTKITDFGLAREWIRTKMSTAGTYAWMAPE 314

RESULT 3
 ID ABP6100
 ID ABP6100 standard; Protein; 1021 AA.
 AC ABP6100;
 XX
 DT 10-SEP-2002 (first entry)
 DE Novel human protein. SEQ ID 87.
 XX
 Human; cytostatic; vulnery; antiarteriosclerotic; antiparkinsonian;
 KW nootropic; neuroprotective; immunosuppressive; haemostatic;
 KW antiinflammatory; cardiant; antiulcer; viricide; antithyroid;
 KW cerebroprotective; anorectic; metabolic; vaccine; cancer; infection;
 KW wound healing disorders; atherosclerotic; Parkinson's disease;
 KW Alzheimer's disease; autoimmune disorder; haematopoietic disorder;
 KW inflammation; neoplastic disease; nervous system disorder;
 KW cardiovascular disorders; pancreatic; respiratory disorder;
 KW hyperproliferation; systemic autoimmune disease; hyper immunity;
 KW developmental abnormality; gastrointestinal ulceration; neuropathy;
 KW haematological disease; metabolic disease; sperm dysfunction;
 KW thyroid disorder; hypothyroidism; brain damage; colitis;
 KW cone photo; transduction deficiency; neurological disease; stroke;
 KW angiogenesis; ovulation disorder; spinal cord; thyroid gland; heart;
 KW trachea; thymus; lymph node; muscular system; obesity; anorexia;
 KW growth abnormality; precocious puberty.
 XX
 OS Homo sapiens.
 XX
 PN WO200250105-A1.
 XX
 PD 27-JUN-2002.
 XX
 PR 17-DEC-2001; 2001WO-US49332.

PR 19-DEC-2000; 2000US-256710P.
 PR 20-DEC-2000; 2000US-257043P.
 PR 09-JAN-2001; 2001US-260482P.
 PR 30-JAN-2001; 2001US-264922P.
 PR 05-FEB-2001; 2001US-266779P.
 PR 19-MAR-2001; 2001US-275988P.
 PR 04-APR-2001; 2001US-281532P.
 PR 08-MAY-2001; 2001US-289622P.

XX (SMIK) SMITHKLINE BEECHAM CORP.
 PA (SMIK) SMITHKLINE BEECHAM PLC.
 PA (GLAX) GLAXO GROUP LTD.

XX Agarwal P, Birkeland M, Cogswell JP, Kabnick KF, Lai Y;
 PI Martensen SA, Rizvi SK, Smith RF, Strum JC, Xie Q;
 XX WPI: 2002-508784/54.

DR DR-PSDB; ABQ06155.

XX Secreted proteins and polynucleotides useful as vaccines for preventing
 PT or treating various diseases e.g. cancer, wounds, atherosclerosis,
 PT Parkinson's disease, Alzheimer's disease, infection, autoimmune
 PT disorder. XX

PS Claim 1(a); Page 307-309; 335pp; English.

XX The invention relates to an isolated polypeptide with signal sequences
 CC which allow it to be secreted extracellularly or membrane associated.
 CC The activity of the polypeptides of the invention may be described as,
 CC cyrostatic, vulnerary, antiarteriosclerotic, antiparkinsonian, nootropic,
 CC neuroprotective, immunosuppressive, haemostatic, antiinflammatory,
 CC cardiant, antiulcer, virucide, antithyroid, cerebroprotective, anorectic,
 CC and metabolic. Polypeptides and polynucleotides of the invention are
 CC useful in the treatment, or as a vaccine in the prevention of, cancer,
 CC wound healing disorders, infection, atherosclerosis, Parkinson's disease
 CC and Alzheimer's disease, autoimmune disorder, haemopoietic disorder,
 CC inflammation, neoplastic diseases, nervous system related disorders and
 CC cardiovascular disorders, pancreatitis, respiratory disorder,
 CC hyperproliferation, systemic autoimmune disease, hyper-immunity,
 CC developmental abnormality, gastrointestinal ulceration, neuropathy,
 CC haemato logical diseases, metabolic diseases, sperm dysfunction, thyroid
 CC disorders e.g. hypothyroidism, brain damage, colitis, cone photo-
 CC transduction deficiency, neurological diseases, stroke, angiogenesis,
 CC ovulation disorders, diseases in the spinal cord, thyroid gland, heart,
 CC trachea, thymus, lymph node and muscular system, obesity, anorexia,
 CC growth abnormalities, and alleviation of precocious puberty. The
 CC sequences given in records ABP60965 ABP61019 represent novel human
 CC proteins of the invention.

XX Sequence 1021 AA; SQ

Query Match 96.2%; Score 282; DB 23; Length 1021;
 Best Local Similarity 94.4%; Pred. No. 9.4e-33; Length 1021;
 Matches 31; Conservative 2; Mismatches 1; Indels 0; Gaps 0; ID AAE11775

Qy 1 HRDIKAGNILLIEKIEHDICKNKTITDGLAREWHRTKMSTAGTYAWMAPE 54
 Db 261 HRDIKAGNILLIEKIEHDICKNKTITDGLAREWHRTKMSTAGTYAWMAPE 314

RESULT 5
 AAE11775 standard; Protein: 1046 AA.
 ID AAE11775
 AC AAE11775;
 XX DE Human kinase (PKIN)-9 protein.
 XX DE Human kinase (PKIN); gene therapy; adenocarcinoma; immune disorder; gout;
 XX KW Human kinase; PKIN; gene therapy; adenocarcinoma; immune disorder; gout;
 KW cancer; allergy; sarcoma; therapy; leukaemia; acquired immune deficiency syndrome;
 KW AIDS; Addison's disease; microbial infection; inflammation; osteoporosis;
 KW atherosclerosis; cardiovascular disease; myocardial infarction; anaemia;
 KW myasthenia gravis; cataract; growth; development; disorder;
 KW seizure disorder; pulmonary embolism; Gaucher's disease; lipid disorder;
 KW lipid storage disease; Pick's disease; Tay-Sachs disease; renal disease;
 KW obesity; restorative therapy; immunomodulator; vaccine; cardiovascular;
 KW antimicrobial; cytostatic; antiinflammatory; asthma.
 XX OS Homo sapiens.

XX Key FH Location/Qualifiers
 XX Domain FT Misc-difference 925
 FT /note= "encoded by WGT"
 XX PN WO200255685-A2.
 XX PD 18-JUL-2002.
 XX PP 10-DEC-2001; 2001WO-US47606.
 XX PR 11-DEC-2000; 2000US-254744P.
 XX PA (LEXI-) LEXICON GENETICS INC.
 XX PI Hu Y, Kieke JA, Donoho G;
 XX DR WPI: 2002-566739/60.
 DR N-PSDB; ABN86357, ABN86358.

XX Novel human kinase polynucleotide encoding a protein that shares
 PT structural similarity with animal kinases for therapeutic, diagnostic
 PT and pharmacogenomic applications - XX

PS Claim 1; Page 37-39; 41pp; English.

XX The invention relates to a novel human protein (NHP), kinase that shares
 CC structural similarity with animal kinases. The kinase polynucleotides are
 CC useful in therapeutic, diagnostic and pharmacogenomic applications and
 CC for identifying compounds that modulate, i.e. act as agonists or
 CC antagonists of the gene expression or gene product activity. The present
 CC sequence represents the NHP kinase.

SQ Sequence 1036 AA;

Query Match 96.2%; Score 282; DB 23; Length 1036;
 Best Local Similarity 94.4%; Pred. No. 9.6e-33; Length 1036;
 Matches 51; Conservative 2; Mismatches 1; Indels 0; Gaps 0; ID AAE11775

Qy 1 HRDIKAGNILLIEKIEHDICKNKTITDGLAREWHRTKMSTAGTYAWMAPE 54
 Db 261 HRDIKAGNILLIEKIEHDICKNKTITDGLAREWHRTKMSTAGTYAWMAPE 314

RESULT 5
 AAE11775 standard; Protein: 1046 AA.
 ID AAE11775
 AC AAE11775;
 XX DE Human kinase (PKIN)-9 protein.
 XX DE Human kinase (PKIN); gene therapy; adenocarcinoma; immune disorder; gout;
 XX KW Human kinase; PKIN; gene therapy; adenocarcinoma; immune disorder; gout;
 KW cancer; allergy; sarcoma; therapy; leukaemia; acquired immune deficiency syndrome;
 KW AIDS; Addison's disease; microbial infection; inflammation; osteoporosis;
 KW atherosclerosis; cardiovascular disease; myocardial infarction; anaemia;
 KW myasthenia gravis; cataract; growth; development; disorder;
 KW seizure disorder; pulmonary embolism; Gaucher's disease; lipid disorder;
 KW lipid storage disease; Pick's disease; Tay-Sachs disease; renal disease;
 KW obesity; restorative therapy; immunomodulator; vaccine; cardiovascular;
 KW antimicrobial; cytostatic; antiinflammatory; asthma.
 XX OS Homo sapiens.

XX Key FH Location/Qualifiers
 XX Domain FT Misc-difference 55..114
 FT /note= "SH3 domain"
 XX Domain FT 134..393
 KW /note= "Eukaryotic protein kinase domain"
 KW Domain FT 136..386
 OS Homo sapiens.

PR	31-AUG-2000; 2000US-2298873P.
PR	08-SEP-2000; 2000US-231357P.
PR	14-SEP-2000; 2000US-232654P.
PR	22-SEP-2000; 2000US-234902P.
PR	29-SEP-2000; 2000US-236499P.
PR	06-OCT-2000; 2000US-238389P.
PR	13-OCT-2000; 2000US-240542P.
PA	(INCY-) INCYTE GENOMICS INC.
XX	
PI	Bandman O, Nguyen DB, Walia NK, Hafalia AJA, Yao MG, Gandhi AR;
PI	Gururajan R, Ding L, Patterson C, Yue H, Baugh MR, Tribouley CM;
PT	Thornton M, Elliott VS, Lu Y, Ison CH, Au-Yeung J, Tang YT;
PI	Azimzai Y, Burrell JD, Marcus GA, Zinger KA, Lu DAM, Lal PG;
PI	Rankumar J, Warren BA, Kearney L, Policky JL;
PT	Burford N;
XX	
PS	WPI; 2002-329769/36.
DR	DR N-PSDB; AAD343109.
XX	
PT	New human kinases, useful for diagnosing, treating or preventing immune system disorders (e.g. Crohn's disease), neurological disorders (e.g. epilepsy), or cell proliferative disorders (e.g. cancers such as leukemia or lymphoma) -
PT	leukemia or lymphoma)
XX	
XX	Claim 67; Page 171-173; 218pp; English.
CC	The present invention relates to human kinases (PKIN) and polynucleotides encoding such proteins. PKIN sequences of the invention are useful for diagnosing, treating or preventing disorders associated with aberrant expression of PKIN, particularly immune system disorders (e.g. acquired immune deficiency syndrome (AIDS), thymic hypoplasia, Crohn's disease, anaemia, asthma), neurological disorders (e.g. epilepsy, Charcot-Marie-Tooth disease or seizures), cell proliferative disorders (e.g. cancers such as adenocarcinoma, leukaemia, melanoma, myeloma, sarcoma), and developmental disorders (e.g. Down's syndrome). They are also used in gene therapy and protein therapy. The present sequence is human PKIN-12 protein.
CC	
CC	Query Match 81 %; Score 239; DB 23; Length 1097; Best Local Similarity 77.8%; Pred. No. 2.7e-26; Matches 42; Conservative 7; Mismatches 5; Indels 0; Gaps 0;
QY	1 HRDIKAGNILLKEIHDIDCNKTKITDGLAREWHRTRKMSAGTYWMAPE 54
Db	266 HRDIKSSNILLQKRVENGDLNSKIKITDGLAREWHRTRKMSAGTYWMAPE 319
XX	
SQ	Sequence 1097 AA;
XX	
XX	Query Match 78.8%; Score 231; DB 23; Length 847; Best Local Similarity 77.8%; Pred. No. 3e-25; Matches 42; Conservative 7; Mismatches 5; Indels 0; Gaps 0;
QY	1 HRDIKAGNILLKEIHDIDCNKTKITDGLAREWHRTRKMSAGTYWMAPE 54
Db	239 HRDIKSSNILLQKRVENGDLNSKIKITDGLAREWHRTRKMSAGTYWMAPE 292
XX	
RESULT 7	
AAE22763	standard; Protein; 847 AA.
ID	
XX	
AC	AAE22763;
XX	
DT	09-AUG-2002 (first entry)
XX	
DE	Human mitogen activated protein kinase, MAP3K11.
XX	
KW	Human; cytostatic; antisense gene therapy; screening; protein kinase; cancer; liver; colon; tumour; inflammation; arthritic synovium; MAP3K11; enzyme; mitogen activated protein kinase.
XX	
OS	Homo sapiens.
XX	
PN	WO200224947-A2.
XX	
PD	28-MAR-2002.
XX	
PF	20-SEP-2001; 2001WO-1B02237.
XX	
PR	20-SEP-2000; 2000US-233999P.
PA	
PR	02-OCT-2000; 2000US-237419P.
PR	02-OCT-2000; 2000US-237423P.
PR	04-OCT-2000; 2000US-238558P.
PR	10-MAY-2001; 2001US-290555P.
XX	
PA	(KINE-) KINETEK PHARM INC.
PA	(UVBR-) UNIV BRITISH COLUMBIA.
XX	
PI	Yoganathan T, Delaney AD;
XX	
DR	WPI; 2002-394145/42.
XX	
PT	Diagnosing cancer, comprises determining the upregulation of expression of a nucleic acid sequence encoding a protein kinase or upregulation of expression of the protein kinase, in the cancer
PT	expression of the protein kinase, in the cancer
XX	
PS	Claim 1; Page 60-62; 87pp; English.
XX	
CC	The invention relates to a method for screening biologically active agent that modulates cancer associated protein kinase function. The invention also relates to a method for diagnosing cancer comprising determining the upregulation of expression of a nucleic acid sequence encoding a protein kinase. The method is useful for diagnosing cancer. A protein kinase is useful for screening biological agents that modulate cancer associated protein kinase function. Downregulating the activity of protein kinase is useful for inhibiting the growth of a cancer cell, e.g. liver or colon cancer. A nucleic acid encoding protein kinase is useful to screen biopsy derived tumours and inflammatory samples such as arthritic synovium, for amplified DNA in the cell or increased expression of corresponding mRNA or protein and is also useful to detect differences in expression levels such as molecular weight, amino acid and nucleotide sequences between the two cells. The present sequence is human mitogen activated protein kinase, MAP3K11.
CC	
CC	Query Match 78.8%; Score 231; DB 23; Length 847; Best Local Similarity 77.8%; Pred. No. 3e-25; Matches 42; Conservative 7; Mismatches 5; Indels 0; Gaps 0;
QY	1 HRDIKAGNILLKEIHDIDCNKTKITDGLAREWHRTRKMSAGTYWMAPE 54
Db	239 HRDIKSSNILLQKRVENGDLNSKIKITDGLAREWHRTRKMSAGTYWMAPE 292
XX	
RESULT 8	
AAE00527	standard; Protein; 118 AA.
ID	AAE00527
XX	
AC	AAE00527;
XX	
DT	06-NOV-2001 (first entry)
XX	
DE	Human polypeptide SEQ ID NO 14419.
XX	
KW	Human; cytokine; cell proliferation; cell differentiation; gene therapy; vaccine; peptide therapy; stem cell growth factor; haemopoiesis; tissue growth factor; immunomodulatory; cancer; leukaemia; nervous system disorders; arthritis; inflammation.
XX	
OS	Homo sapiens.
XX	
PN	WO200164835-A2.
XX	
PD	07-SEP-2001.
XX	
PF	26-FEB-2001; 2001WO-US04927.
XX	
PR	28-FEB-2000; 2000US-0515126.
XX	
PR	18-MAY-2000; 2000US-0577409.
XX	
PA	(HYSE-) HYSQ INC.

XX Tang YT, Liu C, Drmanac RT; PT
XX WPI; 2001-514838/756. DR
XX N-PSDB; AA185458.

PT Isolated nucleic acids and polypeptides, useful for preventing PT diagnosing and treating e.g. leukaemia, inflammation and immune disorders -

PS Claim 20; SEQ ID NO 19419; 1399pp + Sequence Listing; English.

CC The invention relates to human polynucleotides (AA179941-AA0193841) and the encoded proteins (AA000010-AA01910) that exhibit activity relating to cytokine, cell proliferation or cell differentiation or which may induce production of other cytokines in other cell populations. The polynucleotides and polypeptides are useful in gene therapy, vaccines or peptide therapy. The polypeptides have various cytokine-like activities, e.g. stem cell growth factor activity, haemopoiesis regulating activity, tissue growth factor activity, immunomodulatory activity and activin/inhibin activity and may be useful in the diagnosis and/or treatment of cancer, leukaemia, nervous system disorders, arthritis and inflammation.

CC Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp://wipo.int/pub/published_pct_sequences.

XX Sequence 138 AA;

Query Match 74.4%; Score 218; DB 22; Length 138; Best Local Similarity 78.0%; Pred. No. 2. 5e-24; Matches 39; Similarity 39; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 5 KAGNILLEKIEHDICKNKTIKITDGLAREWHRTRKMSTAGTYWMAPE 54 Db 1 KSSNTILQLQVENGDLNSKIKITDGLAREWHRTRKMSTAGTYWMAPE 50

RESULT 9

ABB5999 ID ABB5999 standard; Protein; 1020 AA.

XX AC ABB5999;

XX DT 26-MAR-2002 (first entry)

XX DE Drosophila melanogaster polypeptide SEQ ID NO 3789.

XX KW Drosophila; developmental biology; cell signalling; insecticide; pharmaceutical.

XX OS Drosophila melanogaster.

XX PN WO20011042-A2.

XX PD 27-SEP-2001.

XX PF 23-MAR-2001; 2001WO-US09231.

XX PR 23-MAR-2000; 2000US-191637P. 11-JUL-2000; 2000US-0614150.

XX PA (PEKE) PE CORP NY.

XX PT Venter JC, Adams M, Li PWD, Myers EW; WPI; 2001-655860/75. N-PSDB; ABL03102.

PT New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -

XX PS Disclosure; Page 38; 125pp; English.

CC DNA probes based on Protein tyrosine-kinase (PTK) sequences were used to screen cDNA libraries to identify novel PTK genes. A Lptk4 gene fragment (AA031094) was isolated from lymphocytic and megakaryocytic cell line libraries and encoded a peptide (AAR85933) showing homology to known PTKs. The Lptk4 peptide can be used in the design of drugs that modulate PTK activity.

CC Sequence 45 AA;

Query Match 59.0%; Score 173; DB 16; Length 45;

PS Disclosure; SEQ ID NO 3789; 21pp + Sequence Listing; English.

XX The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABU16176-ABU3051), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (AB57737-AB572072).

CC The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp://wipo.int/pub/published_pct_sequences.

XX Sequence 1020 AA;

Query Match 62.8%; Score 184; DB 22; Length 1020; Best Local Similarity 63.0%; Pred. No. 4e-18; Matches 34; Conservative 8; Mismatches 12; Indels 0; Gaps 0;

Qy 1 HRDIAGNILLEKIEHDICKNKTIKITDGLAREWHRTRKMSTAGTYWMAPE 54 Db 249 HRDKSSNVLYIEAGNHLQOKTLKITDGLAREWHRTRKMSTAGTYWMAPE 302

RESULT 10

AAR85933 ID AAR85933 standard; Peptide; 45 AA.

XX AC AAR85933;

XX DT 14-FEB-1996 (first entry)

XX DE Protein tyrosine-kinase Lptk4 fragment.

XX KW Protein tyrosine-kinase; PTK; Lptk4; agonist; cell growth; differentiation.

XX OS Homo sapiens.

XX PN WO9527061-A1.

XX PD 12-OCT-1995.

XX PF 04-APR-1995; 95WO-US04228.

XX DR 04-APR-1994; 94US-0222816.

XX PA (GETH) GENENTECH INC.

XX PI Bennett BD, Goeddel D, Lee JM, Matthews W, Tsai SP;

XX PI Wood WI;

XX DR WPI; 1995-366160/47.

XX DR N-PSDB; AAT03094.

PT Agonist antibodies which activate specific protein tyrosine kinase(s) - also activate chimeric proteins of kinase extracellular domain and Ig constant domain, useful for studying, and therapeutic modulation of, cell growth and differentiation

PT Disclosure; Page 38; 125pp; English.

CC DNA probes based on Protein tyrosine-kinase (PTK) sequences were used to screen cDNA libraries to identify novel PTK genes. A Lptk4 gene fragment (AA031094) was isolated from lymphocytic and megakaryocytic cell line libraries and encoded a peptide (AAR85933) showing homology to known PTKs. The Lptk4 peptide can be used in the design of drugs that modulate PTK activity.

RESULT 15
 AAG28423
 ID AAG28423 standard; Protein: 276 AA.
 XX
 AC AAG28423;
 XX
 DT 17-OCT-2000 (first entry)
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 33634.
 XX
 KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 OS Arabidopsis thaliana.
 XX
 PN EP103405-A2.
 XX
 PD 06-SEP-2000.
 XX
 PF 25-FEB-2000; 2000EP-0301439.
 XX
 PR 25-FEB-1999; 99US-0121835.
 PR 05-MAR-1999; 99US-0123180.
 PR 03-MAR-1999; 99US-0123588.
 PR 23-MAR-1999; 99US-0125788.
 PR 25-MAR-1999; 99US-0126264.
 PR 29-MAR-1999; 99US-0126785.
 PR 01-APR-1999; 99US-0127462.
 PR 06-APR-1999; 99US-0128234.
 PR 08-APR-1999; 99US-0128714.
 PR 16-APR-1999; 99US-0129845.
 PR 19-APR-1999; 99US-0130077.
 PR 21-APR-1999; 99US-0130449.
 PR 22-APR-1999; 99US-0130510.
 PR 23-APR-1999; 99US-0130911.
 PR 28-APR-1999; 99US-0131440.
 PR 30-APR-1999; 99US-0132048.
 PR 30-APR-1999; 99US-0132863.
 PR 04-MAY-1999; 99US-0132484.
 PR 05-MAY-1999; 99US-0132485.
 PR 06-MAY-1999; 99US-0132486.
 PR 06-MAY-1999; 99US-0132487.
 PR 07-MAY-1999; 99US-0132863.
 PR 11-MAY-1999; 99US-0134256.
 PR 14-MAY-1999; 99US-0134218.
 PR 14-MAY-1999; 99US-0134219.
 PR 14-MAY-1999; 99US-0134221.
 PR 14-MAY-1999; 99US-0134370.
 PR 18-MAY-1999; 99US-0134768.
 PR 19-MAY-1999; 99US-0134941.
 PR 20-MAY-1999; 99US-0135124.
 PR 21-MAY-1999; 99US-0135353.
 PR 24-MAY-1999; 99US-0135629.
 PR 25-MAY-1999; 99US-0136021.
 PR 27-MAY-1999; 99US-0136392.
 PR 28-MAY-1999; 99US-0136782.
 PR 01-JUN-1999; 99US-0137222.
 PR 03-JUN-1999; 99US-0137528.
 PR 04-JUN-1999; 99US-0137502.
 PR 07-JUN-1999; 99US-0137724.
 PR 08-JUN-1999; 99US-0138094.
 PR 10-JUN-1999; 99US-0138540.
 PR 10-JUN-1999; 99US-0138847.
 PR 14-JUN-1999; 99US-0139119.
 PR 16-JUN-1999; 99US-0139452.
 PR 16-JUN-1999; 99US-0139453.
 PR 17-JUN-1999; 99US-0139492.
 PR 18-JUN-1999; 99US-0139454.
 PR 18-JUN-1999; 99US-0139455.
 PR 18-JUN-1999; 99US-0139456.
 PR 18-JUN-1999; 99US-0139457.
 PR 18-JUN-1999; 99US-0139458.
 PR 18-JUN-1999; 99US-0139459.
 PR 18-JUN-1999; 99US-0139460.
 PR 18-JUN-1999; 99US-0139461.
 PR 18-JUN-1999; 99US-0139462.
 PR 18-JUN-1999; 99US-0139463.
 PR 18-JUN-1999; 99US-0139750.
 PR 18-JUN-1999; 99US-013763.
 PR 21-JUN-1999; 99US-0139817.
 PR 22-JUN-1999; 99US-0139899.
 PR 23-JUN-1999; 99US-0140353.
 PR 23-JUN-1999; 99US-0140354.
 PR 24-JUN-1999; 99US-0140695.
 PR 28-JUN-1999; 99US-0140991.
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 Job time : 75 secs